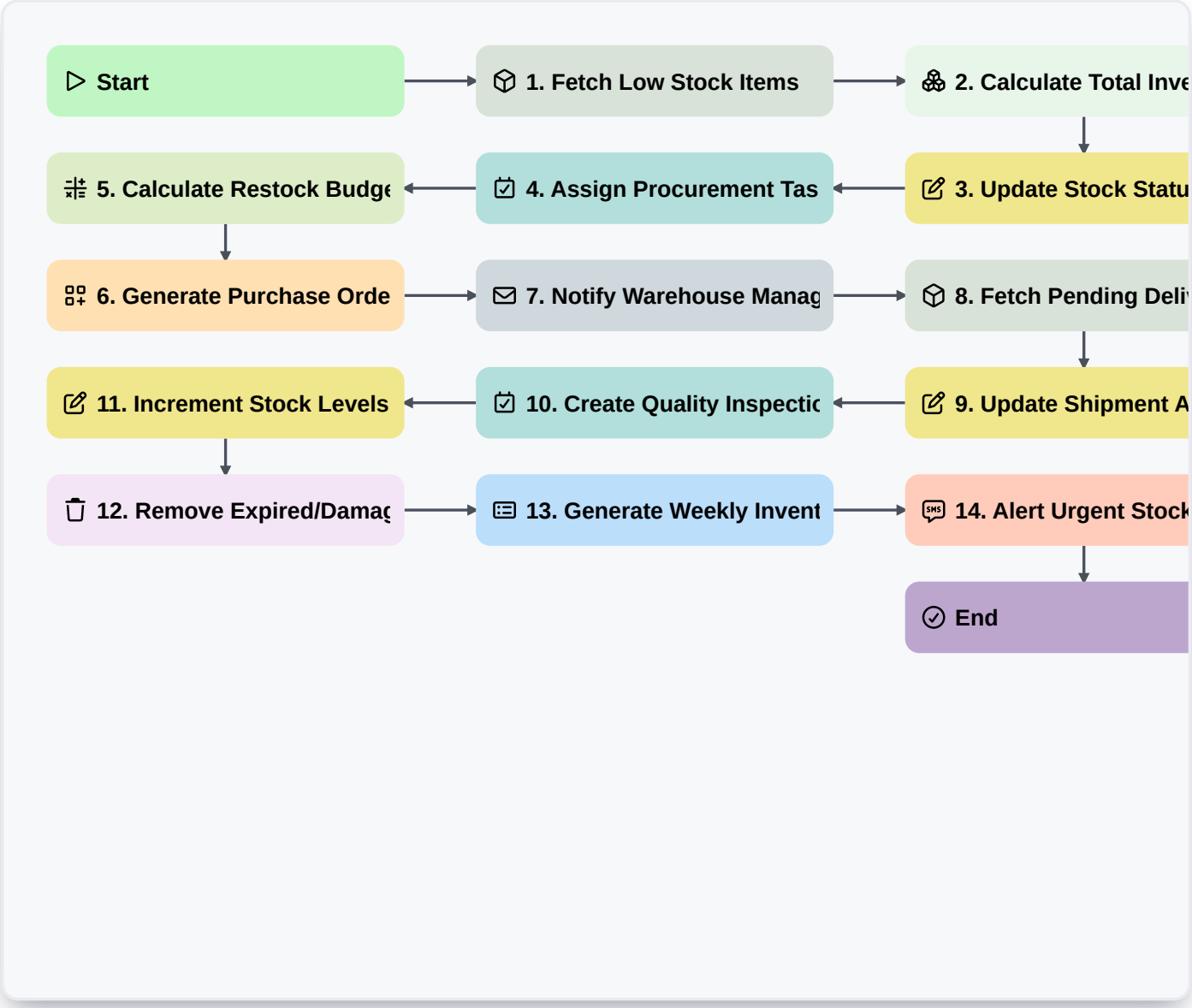
ChecklistGuro

Automated Warehouse Inventory Control Process



Start
Start of the Workflow/Process.

1. Fetch Low Stock Items
Retrieve all entries from the Inventory Data Model where current stock level is below the predefined reorder point.

2. Calculate Total Inventory Value
Sum the 'Unit Price' multiplied by 'Quantity' for all items retrieved in the inventory list to determine total capital tied in stock.

3. Update Stock Status
Update the 'Status' field to 'Reorder Required' for all identified low-stock entries.

4. Assign Procurement Task
Create a new task for the Purchasing Manager to review the low stock list and initiate orders.

5. Calculate Restock Budget
Calculate the estimated cost of replenishment by multiplying the 'Reorder Quantity' by the 'Unit Price' for each item

6. Generate Purchase Order
Create a new entry in the Purchase Order Data Model containing the items, quantities, and total estimated cost.

7. Notify Warehouse Manager
Send an email notification to the Warehouse Manager containing the summary of items that reached the reorder point.

8. Fetch Pending Deliveries
Retrieve all entries from the Incoming Shipments Data Model that are marked as 'In Transit'.

9. Update Shipment Arrival Date
Update the 'Expected Arrival' field in the Shipment entry once the warehouse staff confirms receipt.

10. Create Quality Inspection Task
Create a task for the Quality Control team to inspect the contents of incoming shipments.

11. Increment Stock Levels
Update the 'Quantity on Hand' in the Inventory Data Model based on the verified quantities from the incoming shipment.

12. Remove Expired/Damaged Items
Delete or move entries from the active Inventory Data Model to the 'Disposed/Scrapped' model if they fail inspection.

13. Generate Weekly Inventory Health Report
Create a comprehensive report summarizing stock movements, value of stock, and pending orders for the weekly management review.

14. Alert Urgent Stock Out
Send an SMS alert to the Operations Head if an item reaches a stock level of zero.

End
End of the Workflow/Process.